

At page 3, first full paragraph after the heading "Detailed Description of Preferred Embodiments", please amend as follows:

a1  
Sub 1  
Referring first to Fig. 1, a system is shown for treating skin in accordance with one method of the invention. A defect 100 in skin 105 is irradiated with electro-magnetic radiation 110 produced by a source 115. The irradiation 110 has an intensity determined by a controller 120. The controller 120 contains a voltage source 130 that applies an alternating voltage across a first electrode 125a and second electrode 125b. The second electrode 125b may be a grounded electrode that is not connected to the controller 120. An ammeter 135, also located in the controller 120, continuously measures a current flowing between the electrodes 125a and b. An analog output 140 of the ammeter 135 is sampled by an analog to digital converter 145, and the sample values are input to a processor 150.

IN THE CLAIMS

Please amend allowable claim 10 by rewriting 10 in independent form as follows:

a2  
Sub 2  
10. (Amended) A system for treating skin, comprising: